WHAT IS CLAIMED IS:

1. A method of inducing weight loss in a patient, comprising administering by continuous infusion an effective amount of an MC4R agonist peptide to a patient in need thereof, wherein the MC4R agonist peptide is selected from the group consisting of:

Ac-Cya-Arg-cyclo[Cys-Ala-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ala-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Arg-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Asn-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Asp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Asp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-OMe,

Tyr-Arg-cyclo[Cys-Gly-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Gly-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-His-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ile-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Leu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Lys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-methyl-Tyr-Arg-cyclo[Cys-Met-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Met-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Phe-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Pro-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ser-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Thr-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Trp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Tyr-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Val-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

N-propionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-butyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-valeryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-guanidinopropionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

4-guanidinobutyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

5-guanidinovaleryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-diaminopropionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-diaminobutyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Arg-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-hArg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Cit-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Cit-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Leu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Lys-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Lys(ipr)-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-nLeu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-nLeu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

Ac-Orn-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Val-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonyl)-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonylamino-4-oxo-butyryl)-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-(4-hydroxyphenyl)propionyl-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-(4-methylbenzoyl)propionyl-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH-$(CH_2)_6$-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Glu-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

N-succinyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-glutaryl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-glutaryl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

gluconoyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys] alcohol,

Ac-Tyr-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[D-Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Me-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(3-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(5-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(5-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-benzyl-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-benzyl-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Bom-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(1-pyrazolyl-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(4-phenyl-1H-imidazol-2-yl-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(4-phenyl-1H-imidazol-2-yl-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(2-pyrazine-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,2,4-triazol-3-yl))-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,2,4-triazol-3-yl))-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-((1-benzyl)-1,2,4-triazol-3-yl))-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-((1-benzyl)-1,2,4-triazol-3-yl))-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(2-furyl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(thien-2-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,3-thiazol-4-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(pyridin-4-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-glycinol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-2-(2-aminoethoxy)ethanol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH-$(CH_2)_6$-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Glu-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Arg-Phe-NH_2,

Ac-Tyr-Cit-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Cit-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-hArg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-(1-β-hArg)-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Lys-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Ser-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Val-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-succinyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

cyclo[hCys-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-cyclo[hCys-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

N-cyclopropanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2 ,

N-cyclobutanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-cyclopentanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-cyclohexanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-hexanoyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-benzoyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

4-phenylbutyryl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-guanidinopropionyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

5-guanidinovaleryl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-phenylsulfonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonyl)-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(4-phenylsulfonamido-4-oxo-butyryl)-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

D-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Arg-cyclo[hCys-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-(1-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-nLeu-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

phenylsulfonyl-Gly-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[hCys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-(ß-cyclohexyl-D-Ala)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

Ac-cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-penicillamine]-NH_2,

N-hexanoyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-cyclopentanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-cyclohexanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-benzoyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

4-phenylbutyryl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-phenylsulfonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

(4-benzenesulfonamide)butyryl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

Ac-nLeu-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-phenylsulfonyl-Gly-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

cyclo[3-thiopropionyl-His-D-Phe-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-Tyr-Arg-cyclo[hCys-Glu-His-D-Phe-Arg-Trp-hCys]-NH_2, and

Ac-cyclo(S-CH_2-S)[Cys-His-D-Phe-Arg-Trp-Cys]-NH_2.

2. A method for treating obesity in a patient, comprising administering by continuous infusion an effective amount of an MC4R agonist peptide to a patient in need thereof, wherein the MC4R agonist peptide is selected from the group consisting of:

Ac-Cya-Arg-cyclo[Cys-Ala-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ala-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Arg-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Asn-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Asp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Asp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[Cys-Gln-His-D-Phe-Arg-Trp-Cys]-OMe,

Tyr-Arg-cyclo[Cys-Gly-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Gly-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-His-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ile-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Leu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Lys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-methyl-Tyr-Arg-cyclo[Cys-Met-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Met-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Phe-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Pro-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Ser-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Thr-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Trp-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Tyr-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Val-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Cya-His-D-Phe-Arg-Trp-Cys]-NH_2,

cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro-NH_2,

Ac-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

N-propionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-butyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-valeryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-guanidinopropionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

4-guanidinobutyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

5-guanidinovaleryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-diaminopropionyl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-diaminobutyryl-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Arg-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-hArg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Cit-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Cit-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Leu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Lys-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Lys(ipr)-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-nLeu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-nLeu-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

Ac-Orn-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Val-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonyl)-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonylamino-4-oxo-butyryl)-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-(4-hydroxyphenyl)propionyl-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-(4-methylbenzoyl)propionyl-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH-$(CH_2)_6$-NH_2,

Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Glu-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

N-succinyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,
N-glutaryl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,
N-glutaryl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,
gluconoyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys] alcohol,
Ac-Tyr-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[D-Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-Br-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-Me-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-His-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-His)-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Me-D-His)-(4-OMe-D-Phe)-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(3-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(5-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(5-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-benzyl-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-benzyl-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-Bom-His)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(1-pyrazolyl-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,
Ac-Tyr-Arg-cyclo[Cys-Glu-(4-phenyl-1H-imidazol-2-yl-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(4-phenyl-1H-imidazol-2-yl-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(2-pyrazine-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,2,4-triazol-3-yl))-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,2,4-triazol-3-yl))-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-((1-benzyl)-1,2,4-triazol-3-yl))-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-((1-benzyl)-1,2,4-triazol-3-yl))-D-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(2-furyl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(thien-2-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(1,3-thiazol-4-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-(ß-(pyridin-4-yl)-Ala)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-glycinol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-2-(2-aminoethoxy)ethanol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH-$(CH_2)_6$-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Glu-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Ser-Pro alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Lys-Pro alcohol,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-Arg-Phe-NH_2,

Ac-Tyr-Cit-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Cit-cyclo[Cys-Glu-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-hArg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-(1-β-hArg)-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Lys-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Ser-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Val-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-succinyl-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-OH,

cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

cyclo[hCys-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-cyclo[hCys-His-(4-F-D-Phe)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-Cys]-NH_2,

N-cyclopropanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2 ,

N-cyclobutanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-cyclopentanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-cyclohexanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-hexanoyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-benzoyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

4-phenylbutyryl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

3-guanidinopropionyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

5-guanidinovaleryl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-phenylsulfonyl-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(2-naphthalenesulfonyl)-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

N-(4-phenylsulfonamido-4-oxo-butyryl)-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

D-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Arg-cyclo[hCys-(1-Me-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Arg-cyclo[hCys-(1-Me-D-His)-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-nLeu-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

phenylsulfonyl-Gly-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Tyr-Arg-cyclo[hCys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-(ß-cyclohexyl-D-Ala)-Arg-Trp-Cys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

Ac-cyclo[hCys-His-(4-Cl-D-Phe)-Arg-Trp-penicillamine]-NH_2,

N-hexanoyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-cyclopentanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-cyclohexanecarbonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-benzoyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

4-phenylbutyryl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-phenylsulfonyl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

(4-benzenesulfonamide)butyryl-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

Ac-nLeu-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

N-phenylsulfonyl-Gly-cyclo[hCys-His-D-Phe-Arg-Trp-penicillamine]-NH_2,

cyclo[3-thiopropionyl-His-D-Phe-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Arg-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-(4-F-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Arg-cyclo[Cys-His-(4-Cl-D-Phe)-Arg-Trp-hCys]-NH_2,

Ac-Tyr-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-hCys]-NH_2,

Ac-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,
Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,
Ac-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,
Ac-Tyr-Arg-cyclo[hCys-His-D-Phe-Arg-Trp-hCys]-NH_2,
Ac-Tyr-Arg-cyclo[hCys-Glu-His-D-Phe-Arg-Trp-hCys]-NH_2, and
Ac-cyclo(S-CH_2-S)[Cys-His-D-Phe-Arg-Trp-Cys]-NH_2.

3. The method of Claim 1, wherein the MC4R agonist peptide is administered using a pump.

4. The method of Claim 1, wherein the MC4R agonist peptide is administered using a depot.

8. The method of Claim 1, wherein the MC4R agonist peptide is cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2, Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2, Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,
Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2, or
Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2.

9. The method of Claim 1, wherein the MC4R agonist peptide is Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2.

18. The method of Claim 2, wherein the MC4R agonist peptide is administered using a pump.

19. The method of Claim 2, wherein the MC4R agonist peptide is administered using a depot.

20. The method of Claim 2, wherein the MC4R agonist peptide is cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2, Ac-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-NH_2, Arg-cyclo[hCys-His-D-Phe-Arg-Trp-Cys]-OH,

Ac-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2, or
Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2.

21. The method of Claim 2, wherein the MC4R agonist peptide is Ac-D-Arg-cyclo[Cys-Glu-His-D-Phe-Arg-Trp-Cys]-NH_2.